

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/012662

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/82 C12Q1/68 A01H5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12N C12Q A01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, Sequence Search, EMBL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL 'Online! 25 November 2001 (2001-11-25), "Mus musculus clone RP23-182G17, LOW-PASS SEQUENCE SAMPLING." XP002318755 retrieved from EBI accession no. EM_PRO:AC101211 Database accession no. AC101211 Positions 51663 - 51683</p> <p style="text-align: center;">----- -/-</p>	1-3

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

25 February 2005

Date of mailing of the international search report

14/03/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL 'Online! 28 August 2002 (2002-08-28), "Mus musculus BAC clone RP23-307E9 from chromosome 7, complete sequence." XP002318982 retrieved from EBI accession no. EM_PRO:AC131669 Database accession no. AC131669 Positions 14695 - 14715</p>	1-3
X	<p>ANONYMOUS: "Application for licence for dealings involving an intentional release into the environment DIR 036/2003 Title: Breeding and pre-commercial evaluation of transgenic cotton expressing a vegetative insecticidal protein (VIP) and a herbicide tolerance gene" INTERNET ARTICLE, 'Online! October 2003 (2003-10), XP002318972 AUSTRALIA Retrieved from the Internet: URL: http://www.ogtr.gov.au/pdf/ir/dir036fi nalramp.pdf> 'retrieved on 2005-02-22! the whole document</p>	1-25
P, X	<p>WO 2004/039986 A (SYNGENTA PARTICIPATIONS AG; ELLIS, DANIEL, MURRAY; NEGROTTO, DAVID, VI) 13 May 2004 (2004-05-13) the whole document</p>	13, 15-25
X	<p>WO 96/10083 A (CIBA-GEIGY AG) 4 April 1996 (1996-04-04) the whole document</p>	10-25
Y	<p>page 12</p>	1-9, 14, 16
X	<p>WO 02/078437 A (SYNGENTA PARTICIPATIONS AG; MILES, PAUL; KRAMER, VANCE; SHEN, ZHICHENG) 10 October 2002 (2002-10-10) the whole document</p>	10-25
Y	<p>page 43</p>	1-9
X	<p>RICE W C: "Specific primers for the detection of Vip3A insecticidal gene within a Bacillus thuringiensis collection" LETTERS IN APPLIED MICROBIOLOGY, vol. 28, no. 5, May 1999 (1999-05), pages 378-382, XP002318971 ISSN: 0266-8254 the whole document</p>	13, 15, 17, 22-25
Y	<p>page 379, left-hand column; figures 1, 2</p>	1-9, 14, 16
	-/-	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	SELVAPANDIYAN A ET AL: "Toxicity analysis of N- and C- terminus-deleted vegetative insecticidal protein from Bacillus thuringiensis" APPLIED AND ENVIRONMENTAL MICROBIOLOGY, WASHINGTON,DC, US, vol. 67, no. 12, December 2002 (2002-12), pages 5855-5858, XP002251845 ISSN: 0099-2240 page 5855, right-hand column page 5857, right-hand column	13,15, 17,22-25
X	YU C-G ET AL: "THE BACILLUS THURINGIENSIS VEGETATIVE INSECTICIDAL PROTEIN VIP3A Lyses MIDGUT EPITHELIUM CELLS OF SUSCEPTIBLE INSECTS" APPLIED AND ENVIRONMENTAL MICROBIOLOGY, WASHINGTON,DC, US, vol. 63, no. 2, February 1997 (1997-02), pages 532-536, XP000673006 ISSN: 0099-2240 figure 2	18-20, 22-25
A	WO 03/013224 A (BAYER BIOSCIENCE N.V) 20 February 2003 (2003-02-20) page 6 - page 8 page 13 - page 17	1-25

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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